

DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

DIVISION OF WASTE AND HAZARDOUS SUBSTANCES

Site Investigation & Restoration Section



Screening Level Table

January 1, 2013

The screening levels listed in the Screening Level Table in Appendix A should be used for screening purposes only for the protection of human health. The screening levels are not to be construed as site specific clean up levels. The Screening Level Table combines background, risk-based and regulatory values in soil and groundwater. The screening levels should be used to determine the contaminants of potential concern (COPCs) in the risk assessment process. Any laboratory confirmed analyte concentration exceeding the Screening Level Table values may require further evaluation. These screening levels should be used in lieu of the URS values for all new sites (as of January 1, 2013) regulated under HSCA and for existing sites where a risk assessment has not yet been performed.

The screening levels for soil are primarily based on the [United States Environmental Protection Agency \(EPA\) Regional Screening Levels \(RSLs\)](#) for residential soil, with several exceptions. Please note that the screening levels for several PAHs in soil will remain the URS values for unrestricted use in a Critical Water Resource Area while DNREC-SIRS evaluates the most appropriate screening levels for PAHs. These screening levels will be updated in the future.

Unlike the URS values, there is now only one screening level per analyte for soil. Therefore, soil sample results should be compared to the soil screening level for the particular chemical analyzed regardless of the current or future land use or whether the sample was collected in a Critical Water Resource Area or Non-Critical Water Resource Area. If a hazardous substance exceeds the screening level, it is generally considered a COPC.

The screening levels for groundwater are primarily based on the EPA RSLs for tapwater. When the EPA RSL for tapwater exceeds the Delaware or Federal Maximum Contaminant Level (MCL) for drinking water, then the MCL replaces the RSL as the screening level.

Screening levels may be at concentrations which are below the routine laboratory method detection limit (MDL). When the HSCA-approved laboratory is unable to detect concentrations as low as the screening level, the routine MDL for the laboratory shall become the screening level and these contaminants will be considered COPCs. In some instances, DNREC-SIRS may require that the best available technology (i.e. a different analytic method) be used to achieve a lower MDL.

The Screening Level Table will be updated as significant changes occur, and the updated table will be available on the [SIRS webpage](#). Analytes may be added or deleted from the table. Therefore, please ensure that you are using the most current version of the Screening Level Table, available in Appendix A and on the SIRS webpage. The analytes with concentrations that have been updated between the previous version and the current version of the Screening Level Table will be indicated. The effective date of the most recent revision will be listed in the heading of the table.

Additional guidance describing the risk assessment process under HSCA will be published in the near future.

Appendix A

Screening Level Table

DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

The screening level table is arranged in the following manner:

1. Analyte is indicated in column 1.
2. Chemical Abstracts Service (CAS) registry number corresponding to the analyte is indicated in column 2.
3. Whether the analyte is carcinogenic or non-carcinogenic is indicated in column 3.
4. If analyte is part of EPA's Target Analyte List (TAL) or Target Compound List (TCL), 'TAL' or 'TCL' is indicated in column 4.
5. Screening level for soil is indicated in milligrams per kilogram (mg/kg) in column 5.
6. Key describing how soil screening level was derived is included in column 6.
7. Screening level for groundwater is indicated in micrograms per liter (ug/l) in column 7.
8. Key describing how groundwater screening level was derived is included in column 8.

The keys, which describe how the soil and groundwater screening levels were derived, are defined as follows:

RSL	EPA Regional Screening Level from November 2012;
D-RSL	Modified EPA RSL by dividing by 10 to equal a hazard quotient of 0.1;
BTV	Background Threshold Value was calculated based on samples from a Delaware background study. The concentration is an Upper Threshold Limit (UTL) 95/95, which is recommended by EPA for comparing a single number to determine exceedance of a threshold (EPA ProUCL software 4.1.01 Users Guide). The UTL 95/95 value was calculated with ProUCL Version 4.1.01;
Csat	Soil saturation concentration was adopted as the screening level. Above this concentration the contaminant may be present in free phase;
MAG	Massachusetts guidance for petroleum hydrocarbons was adopted as the screening level;
MAX	Maximum ceiling value was adopted as the screening level;
MCL	Delaware or Federal Maximum Contaminant Level;
PQL	Practical Quantitation Level was adopted as the screening level;
URS	1999 Uniform Risk-Based Remediation Standard
*	Screening level is likely below the routine laboratory method detection limit;
^	Arsenic's background concentration was established previously;
^^	EPA RSL for Pyrene was adopted as the screening level for Phenanthrene, although Phenanthrene is not included within the EPA RSL table;
ug/l	micrograms per liter;
mg/kg	milligrams per kilogram;

DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

NA	not available;
TAL	EPA Target Analyte List for Metals and Cyanide;
TCL	EPA Target Compound List for Volatile Compounds, Semivolatile Compounds, and Pesticides/Aroclors;
c	carcinogenic;
n	non-carcinogenic.

DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
ALAR	1596-84-5	c	27	RSL	3.7	RSL	
Acephate	30560-19-1	c	56	RSL	7.7	RSL	
Acetaldehyde	75-07-0	c	10	RSL	2.2	RSL	
Acetochlor	34256-82-1	n	120	D-RSL	27	D-RSL	
Acetone	67-64-1	n	6100	D-RSL	1200	D-RSL	
Acetone Cyanohydrin	75-86-5	n	5.3	D-RSL	0.42	D-RSL	
Acetonitrile	75-05-8	n	87	D-RSL	13	D-RSL	
Acetophenone	98-86-2	n	780	D-RSL	150	D-RSL	
Acetylaminofluorene, 2-	53-96-3	c	0.13	RSL	0.014	RSL	
Acrolein	107-02-8	n	0.015	D-RSL	0.0041*	D-RSL	
Acrylamide	79-06-1	c	0.23	RSL	0.043	RSL	
Acrylic Acid	79-10-7	n	3000	D-RSL	770	D-RSL	
Acrylonitrile	107-13-1	c	0.24	RSL	0.045*	RSL	
Adiponitrile	111-69-3	n	17700	Csat			
Alachlor	15972-60-8	c	8.7	RSL	0.91	RSL	
Aldicarb	116-06-3	n	6.1	D-RSL	1.5	D-RSL	
Aldicarb Sulfone	1646-88-4	n	6.1	D-RSL	1.6	D-RSL	
Aldrin	309-00-2	c	0.029	RSL	0.00021*	RSL	
Ally	74223-64-6	n	1500	D-RSL	380	D-RSL	
Allyl Alcohol	107-18-6	n	30	D-RSL	7.8	D-RSL	
Allyl Chloride	107-05-1	c	0.68	RSL	0.63	RSL	
Aluminum	7429-90-5	n	51200	BTV	1600	D-RSL	
Aluminum Phosphide	20859-73-8	n	3.1	D-RSL	0.62	D-RSL	
Amdro	67485-29-4	n	1.8	D-RSL	0.47	D-RSL	
Ametryn	834-12-8	n	55	D-RSL	12	D-RSL	
Aminobiphenyl, 4-	92-67-1	c	0.023	RSL	0.0026	RSL	
Aminophenol, m-	591-27-5	n	490	D-RSL	120	D-RSL	

Note: RSL is EPA's Regional Screening Level from November 2012 found at http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/.

DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Aminophenol, p-	123-30-8	n	120	D-RSL	31	D-RSL	
Amitraz	33089-61-1	n	15	D-RSL	0.59	D-RSL	
Ammonium Sulfamate	7773-06-0	n	1600	D-RSL	310	D-RSL	
Aniline	62-53-3	c	85	RSL	12	RSL	
Anthraquinone, 9,10-	84-65-1	c	12	RSL	1.2	RSL	
Antimony (metallic)	7440-36-0	n	3.1	D-RSL	0.6*	D-RSL	
Antimony Pentoxide	1314-60-9	n	3.9	D-RSL	0.75	D-RSL	
Antimony Potassium Tartrate	11071-15-1	n	7	D-RSL	1.3	D-RSL	
Antimony Tetroxide	1332-81-6	n	3.1	D-RSL	0.6	D-RSL	
Antimony Trioxide	1309-64-4	n	28000	D-RSL			
Apollo	74115-24-5	n	79	D-RSL	18	D-RSL	
Aramite	140-57-8	c	19	RSL	2.7	RSL	
Arsenic, Inorganic	7440-38-2	c	11^	BTV	0.045*	RSL	
Arsine	7784-42-1	n	0.027	D-RSL	0.0054	D-RSL	
Assure	76578-14-8	n	55	D-RSL	9.3	D-RSL	
Asulam	3337-71-1	n	310	D-RSL	78	D-RSL	
Atrazine	1912-24-9	c	2.1	RSL	0.26*	RSL	
Auramine	492-80-8	c	0.55	RSL	0.067	RSL	
Avermectin B1	65195-55-3	n	2.4	D-RSL	0.63	D-RSL	
Azobenzene	103-33-3	c	5.1	RSL	0.1	RSL	
Barium	7440-39-3	n	1500	D-RSL	290	D-RSL	
Baygon	114-26-1	n	24	D-RSL	6.1	D-RSL	
Bayleton	43121-43-3	n	180	D-RSL	43	D-RSL	
Baythroid	68359-37-5	n	150	D-RSL	8.7	D-RSL	
Benefin	1861-40-1	n	1800	D-RSL	120	D-RSL	
Benomyl	17804-35-2	n	310	D-RSL	75	D-RSL	
Bentazon	25057-89-0	n	180	D-RSL	44	D-RSL	

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Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Benzaldehyde	100-52-7	n	TCL	780	D-RSL	150	D-RSL
Benzene	71-43-2	c	TCL	1.1	RSL	0.39	RSL
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	n		1.2	D-RSL	0.31	D-RSL
Benzenethiol	108-98-5	n		7.8	D-RSL	1.3	D-RSL
Benzidine	92-87-5	c		0.0005*	RSL	0.000092*	RSL
Benzoic Acid	65-85-0	n		24000	D-RSL	5800	D-RSL
Benzotrichloride	98-07-7	c		0.049	RSL	0.0026	RSL
Benzyl Alcohol	100-51-6	n		610	D-RSL	150	D-RSL
Benzyl Chloride	100-44-7	c		1	RSL	0.077	RSL
Beryllium and compounds	7440-41-7	n	TAL	16	D-RSL	1.6	D-RSL
Bidrin	141-66-2	n		0.61	D-RSL	0.16	D-RSL
Bifenox	42576-02-3	n		55	D-RSL	7.5	D-RSL
Biphenothrin	82657-04-3	n		92	D-RSL	23	D-RSL
Biphenyl, 1,1'-	92-52-4	n	TCL	5.1	D-RSL	0.083*	D-RSL
Bis(2-chloro-1-methylethyl) ether	108-60-1	c	TCL	4.6	RSL	0.31	RSL
Bis(2-chloroethoxy)methane	111-91-1	n	TCL	18	D-RSL	4.7	D-RSL
Bis(2-chloroethyl)ether	111-44-4	c	TCL	0.21	RSL	0.012*	RSL
Bis(2-ethylhexyl)phthalate	117-81-7	c	TCL	35	RSL	0.071*	RSL
Bis(chloromethyl)ether	542-88-1	c		0.33	PQL	0.000062	RSL
Bisphenol A	80-05-7	n		310	D-RSL	58	D-RSL
Boron And Borates Only	7440-42-8	n		1600	D-RSL	310	D-RSL
Boron Trichloride	10294-34-5	n		16000	D-RSL	3100	D-RSL
Boron Trifluoride	7637-07-2	n		310	D-RSL	62	D-RSL
Bromate	15541-45-4	c		0.91	RSL	0.096	RSL
Bromo-2-chloroethane, 1-	107-04-0	c		0.024	RSL	0.0065	RSL
Bromobenzene	108-86-1	n		30	D-RSL	5.4	D-RSL
Bromochloromethane	74-97-5	n	TCL	16	D-RSL	8.3	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

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Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Bromodichloromethane	75-27-4	c	TCL	0.27	RSL	0.12	RSL
Bromoform	75-25-2	c	TCL	62	RSL	7.9	RSL
Bromomethane	74-83-9	n	TCL	0.73	D-RSL	0.7	D-RSL
Bromophos	2104-96-3	n		31	D-RSL	2.6	D-RSL
Bromoxynil	1689-84-5	n		120	D-RSL	31	D-RSL
Bromoxynil Octanoate	1689-99-2	n		120	D-RSL	10	D-RSL
Butadiene, 1,3-	106-99-0	c		0.054	RSL	0.016	RSL
Butanol, N-	71-36-3	n		610	D-RSL	150	D-RSL
Butyl Benzyl Phthalate	85-68-7	c	TCL	260	RSL	14	RSL
Butyl alcohol, sec-	78-92-2	n		12000	D-RSL	3100	D-RSL
Butylate	2008-41-5	n		310	D-RSL	34	D-RSL
Butylated hydroxyanisole	25013-16-5	c		2400	RSL	340	RSL
Butylbenzene, n-	104-51-8	n		390	D-RSL	78	D-RSL
Butylphthalyl Butylglycolate	85-70-1	n		6100	D-RSL	1600	D-RSL
Cacodylic Acid	75-60-5	n		120	D-RSL	31	D-RSL
Cadmium	7440-43-9	n	TAL	7	D-RSL	0.69*	D-RSL
Caprolactam	105-60-2	n	TCL	3100	D-RSL	770	D-RSL
Captafol	2425-06-1	c		3.2	RSL	0.35	RSL
Captan	133-06-2	c		210	RSL	27	RSL
Carbaryl	63-25-2	n		610	D-RSL	140	D-RSL
Carbofuran	1563-66-2	n		31	D-RSL	7.3	D-RSL
Carbon Disulfide	75-15-0	n	TCL	82	D-RSL	72	D-RSL
Carbon Tetrachloride	56-23-5	c	TCL	0.61	RSL	0.39	RSL
Carbosulfan	55285-14-8	n		61	D-RSL	16	D-RSL
Carboxin	5234-68-4	n		610	D-RSL	150	D-RSL
Ceric oxide	1306-38-3	n		100000	MAX		
Chloral Hydrate	302-17-0	n		610	D-RSL	150	D-RSL

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Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Chloramben	133-90-4	n	92	D-RSL	23	D-RSL	
Chloranil	118-75-2	c	1.2	RSL	0.17	RSL	
Chlordane	12789-03-6	c	1.6	RSL	0.027	RSL	
Chlordecone (Kepone)	143-50-0	c	0.049	RSL	0.003*	RSL	
Chlorfenvinphos	470-90-6	n	4.3	D-RSL	0.86	D-RSL	
Chlorimuron, Ethyl-	90982-32-4	n	120	D-RSL	30	D-RSL	
Chlorine	7782-50-5	n	750	D-RSL	160	D-RSL	
Chlorine Dioxide	10049-04-4	n	230	D-RSL	47	D-RSL	
Chlorite (Sodium Salt)	7758-19-2	n	230	D-RSL	47	D-RSL	
Chloro-1,1-difluoroethane, 1-	75-68-3	n	5800	D-RSL	10000	D-RSL	
Chloro-1,3-butadiene, 2-	126-99-8	c	0.0094	RSL	0.016*	RSL	
Chloro-2-methylaniline HCl, 4-	3165-93-3	c	1.1	RSL	0.13	RSL	
Chloro-2-methylaniline, 4-	95-69-2	c	4.9	RSL	0.67	RSL	
Chloroacetaldehyde, 2-	107-20-0	c	1.8	RSL	0.25	RSL	
Chloroacetic Acid	79-11-8	n	12	D-RSL	3.1	D-RSL	
Chloroacetophenone, 2-	532-27-4	n	4300	D-RSL			
Chloroaniline, p-	106-47-8	c	TCL	RSL	0.32*	RSL	
Chlorobenzene	108-90-7	n	TCL	29	D-RSL	7.2	
Chlorobenzilate	510-15-6	c		4.4	RSL	0.27	
Chlorobenzoic Acid, p-	74-11-3	n		180	D-RSL	39	
Chlorobenzotrifluoride, 4-	98-56-6	n		21	D-RSL	2.6	
Chlorobutane, 1-	109-69-3	n		310	D-RSL	48	
Chlorodifluoromethane	75-45-6	n		5300	D-RSL	10000	
Chloroethanol, 2-	107-07-3	n		120	D-RSL	31	
Chloroform	67-66-3	c	TCL	0.29	RSL	0.19	
Chloromethane	74-87-3	n	TCL	12	D-RSL	19	
Chloromethyl Methyl Ether	107-30-2	c		0.019	RSL	0.0056	

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Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Chloronaphthalene, Beta-	91-58-7	n	630	D-RSL	55	D-RSL	
Chloronitrobenzene, o-	88-73-3	c	1.6	RSL	0.2	RSL	
Chloronitrobenzene, p-	100-00-5	n	6.1	D-RSL	9.4	RSL	
Chlorophenol, 2-	95-57-8	n	39	D-RSL	7.1	D-RSL	
Chloropicrin	76-06-2	n	0.21	D-RSL	0.083	D-RSL	
Chlorothalonil	1897-45-6	c	160	RSL	19	RSL	
Chlorotoluene, o-	95-49-8	n	160	D-RSL	18	D-RSL	
Chlorotoluene, p-	106-43-4	n	160	D-RSL	19	D-RSL	
Chlorozotocin	54749-90-5	c	0.002	RSL	0.00028	RSL	
Chlorpropham	101-21-3	n	1200	D-RSL	220	D-RSL	
Chlorpyrifos	2921-88-2	n	6.1	D-RSL	0.62	D-RSL	
Chlorpyrifos Methyl	5598-13-0	n	61	D-RSL	8.9	D-RSL	
Chlorsulfuron	64902-72-3	n	310	D-RSL	77	D-RSL	
Chlorthiophos	60238-56-4	n	4.9	D-RSL	0.2	D-RSL	
Chromium(III), Insoluble Salts	16065-83-1	n	12000	D-RSL	1600	D-RSL	
Chromium(VI)	18540-29-9	c	0.29*	RSL	0.031*	RSL	
Chromium, Total	7440-47-3	TAL	214	BTV	10	PQL	
Cobalt	7440-48-4		34	BTV	0.47*	D-RSL	
Copper	7440-50-8	n	310	D-RSL	62	D-RSL	
Cresol, m-	108-39-4	n	310	D-RSL	72	D-RSL	
Cresol, o-	95-48-7	n	310	D-RSL	72	D-RSL	
Cresol, p-	106-44-5	n	610	D-RSL	140	D-RSL	
Cresol, p-chloro-m-	59-50-7	n	610	D-RSL	110	D-RSL	
Cresols	1319-77-3	n	610	D-RSL	140	D-RSL	
Crotonaldehyde, trans-	123-73-9	c	0.34	RSL	0.035	RSL	
Cumene	98-82-8	n	210	D-RSL	39	D-RSL	
Cupferron	135-20-6	c	2.2	RSL	0.31	RSL	

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Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Cyanazine	21725-46-2	c	0.58	RSL	0.076	RSL	
Cyanides							
~Calcium Cyanide	592-01-8	n	7.8	D-RSL	1.6	D-RSL	
~Copper Cyanide	544-92-3	n	39	D-RSL	7.8	D-RSL	
~Cyanide (CN-)	57-12-5	n	4.7	D-RSL	0.93*	D-RSL	
~Cyanogen	460-19-5	n	7.8	D-RSL	1.6	D-RSL	
~Cyanogen Bromide	506-68-3	n	700	D-RSL	140	D-RSL	
~Cyanogen Chloride	506-77-4	n	390	D-RSL	78	D-RSL	
~Hydrogen Cyanide	74-90-8	n	2.3	D-RSL	0.14	D-RSL	
~Potassium Cyanide	151-50-8	n	16	D-RSL	3.1	D-RSL	
~Potassium Silver Cyanide	506-61-6	n	39	D-RSL	5.9	D-RSL	
~Silver Cyanide	506-64-9	n	780	D-RSL	130	D-RSL	
~Sodium Cyanide	143-33-9	n	7.8	D-RSL	1.6	D-RSL	
~Thiocyanate	463-56-9	n	1.6	D-RSL	0.31	D-RSL	
~Zinc Cyanide	557-21-1	n	390	D-RSL	78	D-RSL	
Cyclohexane	110-82-7	n	700	D-RSL	1300	D-RSL	
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	c	21	RSL	2.1	RSL	
Cyclohexanone	108-94-1	n	5110	Csat	7700	D-RSL	
Cyclohexene	110-83-8	n	31	D-RSL	5.3	D-RSL	
Cyclohexylamine	108-91-8	n	1200	D-RSL	300	D-RSL	
Cyhalothrin/karate	68085-85-8	n	31	D-RSL	7.8	D-RSL	
Cypermethrin	52315-07-8	n	61	D-RSL	16	D-RSL	
Cyromazine	66215-27-8	n	46	D-RSL	12	D-RSL	
DDD	72-54-8	c	TCL	2	RSL	0.28	
DDE, p,p'-	72-55-9	c	TCL	1.4	RSL	RSL	
DDT	50-29-3	c	TCL	1.7	RSL	RSL	
Dacthal	1861-32-1	n		61	D-RSL	9.3	

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Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Dalapon	75-99-0	n		180	D-RSL	47	D-RSL
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	n		43	D-RSL	96	RSL
Demeton	8065-48-3	n		0.24	D-RSL	0.052	D-RSL
Di(2-ethylhexyl)adipate	103-23-1	c		410	RSL	56	RSL
Diallate	2303-16-4	c		8	RSL	0.46	RSL
Diazinon	333-41-5	n		4.3	D-RSL	0.79	D-RSL
Dibromo-3-chloropropane, 1,2-	96-12-8	c	TCL	0.0054*	RSL	0.00032*	RSL
Dibromobenzene, 1,4-	106-37-6	n		61	D-RSL	9.8	D-RSL
Dibromochloromethane	124-48-1	c	TCL	0.68	RSL	0.15*	RSL
Dibromoethane, 1,2-	106-93-4	c	TCL	0.034	RSL	0.0065*	RSL
Dibromomethane (Methylene Bromide)	74-95-3	n		2.5	D-RSL	0.79	D-RSL
Dibutyl Phthalate	84-74-2	n	TCL	610	D-RSL	67	D-RSL
Dibutyltin Compounds	NA	n		1.8	D-RSL	0.47	D-RSL
Dicamba	1918-00-9	n		180	D-RSL	44	D-RSL
Dichloro-2-butene, 1,4-	764-41-0	c		0.0069	RSL	0.0012	RSL
Dichloro-2-butene, cis-1,4-	1476-11-5	c		0.0069	RSL	0.0012	RSL
Dichloro-2-butene, trans-1,4-	110-57-6	c		0.0069*	RSL	0.0012*	RSL
Dichloroacetic Acid	79-43-6	c		9.7	RSL	1.3	RSL
Dichlorobenzene, 1,2-	95-50-1	n	TCL	190	D-RSL	28	D-RSL
Dichlorobenzene, 1,4-	106-46-7	c	TCL	2.4	RSL	0.42	RSL
Dichlorobenzidine, 3,3'-	91-94-1	c	TCL	1.1	RSL	0.11*	RSL
Dichlorobenzophenone, 4,4'-	90-98-2	n		55	D-RSL	14	D-RSL
Dichlorodifluoromethane	75-71-8	n	TCL	9.4	D-RSL	19	D-RSL
Dichloroethane, 1,1-	75-34-3	c	TCL	3.3	RSL	2.4	RSL
Dichloroethane, 1,2-	107-06-2	c	TCL	0.43	RSL	0.15*	RSL
Dichloroethylene, 1,1-	75-35-4	n	TCL	24	D-RSL	7	MCL
Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	n		70	D-RSL	13	D-RSL

Note: RSL is EPA's Regional Screening Level from November 2012 found at http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/.

DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Dichloroethylene, 1,2-cis-	156-59-2	n	TCL	16	D-RSL	2.8	D-RSL
Dichloroethylene, 1,2-trans-	156-60-5	n	TCL	15	D-RSL	8.6	D-RSL
Dichlorophenol, 2,4-	120-83-2	n	TCL	18	D-RSL	3.5	D-RSL
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	n		69	D-RSL	13	D-RSL
Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6	n		49	D-RSL	9.1	D-RSL
Dichloropropane, 1,2-	78-87-5	c	TCL	0.94	RSL	0.38	RSL
Dichloropropane, 1,3-	142-28-9	n		160	D-RSL	29	D-RSL
Dichloropropanol, 2,3-	616-23-9	n		18	D-RSL	4.7	D-RSL
Dichloropropene, 1,3-	542-75-6	c		1.7	RSL	0.41	RSL
Dichlorvos	62-73-7	c		1.7	RSL	0.23	RSL
Dicyclopentadiene	77-73-6	n		3.1	D-RSL	1.2	D-RSL
Dieldrin	60-57-1	c	TCL	0.03	RSL	0.0015*	RSL
Diethanolamine	111-42-2	n		12	D-RSL	3.1	D-RSL
Diethyl Phthalate	84-66-2	n	TCL	4900	D-RSL	1100	D-RSL
Diethylene Glycol Monobutyl Ether	112-34-5	n		180	D-RSL	47	D-RSL
Diethylene Glycol Monoethyl Ether	111-90-0	n		360	D-RSL	94	D-RSL
Diethylformamide	617-84-5	n		6.1	D-RSL	1.6	D-RSL
Diethylstilbestrol	56-53-1	c		0.0014	RSL	0.000043	RSL
Difenoquat	43222-48-6	n		490	D-RSL	120	D-RSL
Diflubenzuron	35367-38-5	n		120	D-RSL	22	D-RSL
Difluoroethane, 1,1-	75-37-6	n		5200	D-RSL	8300	D-RSL
Dihydrosafrole	94-58-6	c		0.24	RSL	0.3	RSL
Diisopropyl Ether	108-20-3	n		240	D-RSL	150	D-RSL
Diisopropyl Methylphosphonate	1445-75-6	n		630	D-RSL	120	D-RSL
Dimethipin	55290-64-7	n		120	D-RSL	31	D-RSL
Dimethoate	60-51-5	n		1.2	D-RSL	0.31	D-RSL
Dimethoxybenzidine, 3,3'-	119-90-4	c		35	RSL	4.7	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Dimethyl methylphosphonate	756-79-6	c		290	RSL	39	RSL
Dimethylamino azobenzene [p-]	60-11-7	c		0.11	RSL	0.0043	RSL
Dimethylaniline HCl, 2,4-	21436-96-4	c		0.84	RSL	0.11	RSL
Dimethylaniline, 2,4-	95-68-1	c		2.4	RSL	0.32	RSL
Dimethylaniline, N,N-	121-69-7	n		16	D-RSL	2.7	D-RSL
Dimethylbenzidine, 3,3'-	119-93-7	c		0.044	RSL	0.0056	RSL
Dimethylformamide	68-12-2	n		610	D-RSL	160	D-RSL
Dimethylhydrazine, 1,1-	57-14-7	n		0.61	D-RSL	0.16	D-RSL
Dimethylhydrazine, 1,2-	540-73-8	c		0.33	PQL	0.00012	RSL
Dimethylphenol, 2,4-	105-67-9	n	TCL	120	D-RSL	27	D-RSL
Dimethylphenol, 2,6-	576-26-1	n		3.7	D-RSL	0.81	D-RSL
Dimethylphenol, 3,4-	95-65-8	n		6.1	D-RSL	1.4	D-RSL
Dimethylterephthalate	120-61-6	n		780	D-RSL	140	D-RSL
Dimethylvinylchloride	513-37-1	c		0.2	RSL	0.3	RSL
Dinitro-o-cresol, 4,6-	534-52-1	n	TCL	0.49	D-RSL	0.12*	D-RSL
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	n		12	D-RSL	1.7	D-RSL
Dinitrobenzene, 1,2-	528-29-0	n		0.61	D-RSL	0.15	D-RSL
Dinitrobenzene, 1,3-	99-65-0	n		0.61	D-RSL	0.15	D-RSL
Dinitrobenzene, 1,4-	100-25-4	n		0.61	D-RSL	0.15	D-RSL
Dinitrophenol, 2,4-	51-28-5	n	TCL	12	D-RSL	3*	D-RSL
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	c		0.72	RSL	0.092	RSL
Dinitrotoluene, 2,4-	121-14-2	c	TCL	1.6	RSL	0.2*	RSL
Dinitrotoluene, 2,6-	606-20-2	n	TCL	6.1	D-RSL	1.5	D-RSL
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	n		15	D-RSL	3	D-RSL
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	n		15	D-RSL	3	D-RSL
Dinoseb	88-85-7	n		6.1	D-RSL	1.1	D-RSL
Dioxane, 1,4-	123-91-1	c	TCL	4.9	RSL	0.67	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Dioxins							
~Hexachlorodibenzo-p-dioxin, Mixture	NA	c	0.000094	RSL	0.000011*	RSL	
~TCDD, 2,3,7,8-Diphenamid	1746-01-6	c	0.0000045	RSL	5.2E-07	RSL	
Diphenyl Sulfone	957-51-7	n	180	D-RSL	47	D-RSL	
	127-63-9	n	4.9	D-RSL	1.1	D-RSL	
Diphenylamine	122-39-4	n	150	D-RSL	24	D-RSL	
Diphenylhydrazine, 1,2-Diquat	122-66-7	c	0.61	RSL	0.067	RSL	
	85-00-7	n	13	D-RSL	3.4	D-RSL	
Direct Black 38	1937-37-7	c	0.066	RSL	0.0091	RSL	
Direct Blue 6	2602-46-2	c	0.066	RSL	0.0091	RSL	
Direct Brown 95	16071-86-6	c	0.073	RSL	0.01	RSL	
Disulfoton	298-04-4	n	0.24	D-RSL	0.038	D-RSL	
Dithiane, 1,4-Diuron	505-29-3	n	61	D-RSL	15	D-RSL	
	330-54-1	n	12	D-RSL	2.8	D-RSL	
Dodine	2439-10-3	n	24	D-RSL	6.2	D-RSL	
EPTC	759-94-4	n	200	D-RSL	29	D-RSL	
Endosulfan	115-29-7	n	37	D-RSL	7.8	D-RSL	
Endothall	145-73-3	n	120	D-RSL	30	D-RSL	
Endrin	72-20-8	n	1.8	D-RSL	0.17	D-RSL	
Epichlorohydrin	106-89-8	n	TCL	D-RSL	0.2	D-RSL	
Epoxybutane, 1,2-Etaphenon	106-88-7	n	17	D-RSL	4.2	D-RSL	
	16672-87-0	n	31	D-RSL	7.8	D-RSL	
Ethion	563-12-2	n	3.1	D-RSL	0.32	D-RSL	
Ethoxyethanol Acetate, 2-	111-15-9	n	610	D-RSL	150	D-RSL	
Ethoxyethanol, 2-	110-80-5	n	2400	D-RSL	620	D-RSL	
Ethyl Acetate	141-78-6	n	7000	D-RSL	1400	D-RSL	
Ethyl Acrylate	140-88-5	c	13	RSL	1.4	RSL	

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Ethyl Chloride	75-00-3	n	TCL	1500	D-RSL	2100	D-RSL
Ethyl Ether	60-29-7	n		1600	D-RSL	310	D-RSL
Ethyl Methacrylate	97-63-2	n		150	D-RSL	42	D-RSL
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	n		0.061	D-RSL	0.0066	D-RSL
Ethylbenzene	100-41-4	c	TCL	5.4	RSL	1.3	RSL
Ethylene Cyanohydrin	109-78-4	n		430	D-RSL	110	D-RSL
Ethylene Diamine	107-15-3	n		550	D-RSL	140	D-RSL
Ethylene Glycol	107-21-1	n		12000	D-RSL	3100	D-RSL
Ethylene Glycol Monobutyl Ether	111-76-2	n		610	D-RSL	150	D-RSL
Ethylene Oxide	75-21-8	c		0.17	RSL	0.044	RSL
Ethylene Thiourea	96-45-7	n		0.49	D-RSL	0.12	D-RSL
Ethyleneimine	151-56-4	c		0.0023	RSL	0.00021	RSL
Ethylphthalyl Ethyl Glycolate	84-72-0	n		18000	D-RSL	4500	D-RSL
Express	101200-48-0	n		49	D-RSL	13	D-RSL
Fenamiphos	22224-92-6	n		1.5	D-RSL	0.34	D-RSL
Fenpropathrin	39515-41-8	n		150	D-RSL	4.6	D-RSL
Fluometuron	2164-17-2	n		79	D-RSL	19	D-RSL
Fluoride	16984-48-8	n		310	D-RSL	62	D-RSL
Fluorine (Soluble Fluoride)	7782-41-4	n		470	D-RSL	93	D-RSL
Fluridone	59756-60-4	n		490	D-RSL	110	D-RSL
Flurprimidol	56425-91-3	n		120	D-RSL	26	D-RSL
Flutolanil	66332-96-5	n		370	D-RSL	72	D-RSL
Fluvalinate	69409-94-5	n		61	D-RSL	16	D-RSL
Folpet	133-07-3	c		140	RSL	17	RSL
Fomesafen	72178-02-0	c		2.6	RSL	0.34	RSL
Fonofos	944-22-9	n		12	D-RSL	1.8	D-RSL
Formaldehyde	50-00-0	n		1200	D-RSL	310	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Formic Acid	64-18-6	n		4900	D-RSL	1400	D-RSL
Fosetyl-AL	39148-24-8	n		18000	D-RSL	4700	D-RSL
Furans							
~Dibenzofuran	132-64-9	n	TCL	7.8	D-RSL	0.58*	D-RSL
~Furan	110-00-9	n		7.8	D-RSL	1.5	D-RSL
~Tetrahydrofuran	109-99-9	n		1800	D-RSL	320	D-RSL
Furazolidone	67-45-8	c		0.13	RSL	0.018	RSL
Furfural	98-01-1	n		18	D-RSL	4.6	D-RSL
Furium	531-82-8	c		0.32	RSL	0.044	RSL
Furmecyclox	60568-05-0	c		16	RSL	0.96	RSL
Glufosinate, Ammonium	77182-82-2	n		2.4	D-RSL	0.63	D-RSL
Glutaraldehyde	111-30-8	n		11000	D-RSL		
Glycidyl	765-34-4	n		2.4	D-RSL	0.63	D-RSL
Glyphosate	1071-83-6	n		610	D-RSL	160	D-RSL
Goal	42874-03-3	n		18	D-RSL	2.4	D-RSL
Guthion	86-50-0	n		18	D-RSL	4.3	D-RSL
Haloxyfop, Methyl	69806-40-2	n		0.31	D-RSL	0.058	D-RSL
Harmony	79277-27-3	n		79	D-RSL	20	D-RSL
Heptachlor	76-44-8	c	TCL	0.11	RSL	0.0018*	RSL
Heptachlor Epoxide	1024-57-3	c	TCL	0.053	RSL	0.0033*	RSL
Hexabromobenzene	87-82-1	n		12	D-RSL	3.1	D-RSL
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	n		1.2	D-RSL	0.31	D-RSL
Hexachlorobenzene	118-74-1	c	TCL	0.3	RSL	0.042*	RSL
Hexachlorobutadiene	87-68-3	c	TCL	6.2	RSL	0.26*	RSL
Hexachlorocyclohexane, Alpha-	319-84-6	c	TCL	0.077	RSL	0.0062*	RSL
Hexachlorocyclohexane, Beta-	319-85-7	c	TCL	0.27	RSL	0.022	RSL
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	c	TCL	0.52	RSL	0.036	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Hexachlorocyclohexane, Technical	608-73-1	c	0.27	RSL	0.022	RSL	
Hexachlorocyclopentadiene	77-47-4	n	37	D-RSL	2.2	D-RSL	
Hexachloroethane	67-72-1	c	TCL	12	RSL	0.79	
Hexachlorophene	70-30-4	n		1.8	D-RSL	0.47	
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	c		5.6	RSL	0.61	
Hexamethylene Diisocyanate, 1,6-	822-06-0	n	0.34	D-RSL	0.0021	D-RSL	
Hexamethylphosphoramide	680-31-9	n	2.4	D-RSL	0.62	D-RSL	
Hexane, N-	110-54-3	n	57	D-RSL	25	D-RSL	
Hexanedioic Acid	124-04-9	n	12000	D-RSL	3100	D-RSL	
Hexanone, 2-	591-78-6	n	TCL	21	D-RSL	3.4	
Hexazinone	51235-04-2	n		200	D-RSL	50	
Hydrazine	302-01-2	c	0.21	RSL	0.022	RSL	
Hydrazine Sulfate	10034-93-2	c	0.21	RSL	0.022	RSL	
Hydrogen Chloride	7647-01-0	n	100000	MAX			
Hydrogen Fluoride	7664-39-3	n	310	D-RSL	62	D-RSL	
Hydrogen Sulfide	7783-06-4	n	100000	MAX			
Hydroquinone	123-31-9	c	8.1	RSL	1.1	RSL	
Imazalil	35554-44-0	n	79	D-RSL	14	D-RSL	
Imazaquin	81335-37-7	n	1500	D-RSL	380	D-RSL	
Iodine	7553-56-2	n	78	D-RSL	16	D-RSL	
Iprodione	36734-19-7	n	240	D-RSL	57	D-RSL	
Iron	7439-89-6	n	74767	BTV	1100	D-RSL	
Isobutyl Alcohol	78-83-1	n	1800	D-RSL	460	D-RSL	
Isophorone	78-59-1	c	TCL	510	RSL	67	
Isopropalin	33820-53-0	n		92	D-RSL	23	
Isopropanol	67-63-0	n		100000	MAX		
Isopropyl Methyl Phosphonic Acid	1832-54-8	n		610	D-RSL	160	

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Isoxaben	82558-50-7	n		310	D-RSL	56	D-RSL
Kerb	23950-58-5	n		460	D-RSL	90	D-RSL
Lactofen	77501-63-4	n		12	D-RSL	1.9	D-RSL
Lead Compounds							
~Lead acetate	301-04-2	c		1.7	RSL	0.24	RSL
~Lead and Compounds	7439-92-1	c	TAL	400	RSL	5	PQL
~Lead subacetate	1335-32-6	c		13	RSL	1.8	RSL
~Tetraethyl Lead	78-00-2	n		0.00061	D-RSL	0.000099	D-RSL
Linuron	330-55-2	n		12	D-RSL	2.6	D-RSL
Lithium	7439-93-2	n		16	D-RSL	3.1	D-RSL
Londax	83055-99-6	n		1200	D-RSL	310	D-RSL
MCPA	94-74-6	n		3.1	D-RSL	0.57	D-RSL
MCPB	94-81-5	n		61	D-RSL	16	D-RSL
MCPP	93-65-2	n		6.1	D-RSL	1.2	D-RSL
Malathion	121-75-5	n		120	D-RSL	30	D-RSL
Maleic Anhydride	108-31-6	n		610	D-RSL	150	D-RSL
Maleic Hydrazide	123-33-1	n		3100	D-RSL	780	D-RSL
Malononitrile	109-77-3	n		0.61	D-RSL	0.16	D-RSL
Mancozeb	8018-01-7	n		180	D-RSL	47	D-RSL
Maneb	12427-38-2	n		31	D-RSL	7.8	D-RSL
Manganese	7439-96-5	n	TAL	2100	BTV	32	D-RSL
Mephosfolan	950-10-7	n		0.55	D-RSL	0.14	D-RSL
Mepiquat Chloride	24307-26-4	n		180	D-RSL	47	D-RSL
Mercury Compounds							
~Mercuric Chloride (and other Mercury salts)	7487-94-7	n		2.3	D-RSL	0.43	D-RSL
~Mercury (elemental)	7439-97-6	n	TAL	1	D-RSL	0.063*	D-RSL
~Methyl Mercury	22967-92-6	n		0.78	D-RSL	0.16	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
~Phenylmercuric Acetate	62-38-4	n		0.49	D-RSL	0.12	D-RSL
Merphos	150-50-5	n		0.18	D-RSL	0.047	D-RSL
Merphos Oxide	78-48-8	n		0.18	D-RSL	0.0061	D-RSL
Metalaxyl	57837-19-1	n		370	D-RSL	92	D-RSL
Methacrylonitrile	126-98-7	n		0.76	D-RSL	0.15	D-RSL
Methamidophos	10265-92-6	n		0.31	D-RSL	0.078	D-RSL
Methanol	67-56-1	n		3100	D-RSL	780	D-RSL
Methidathion	950-37-8	n		6.1	D-RSL	1.5	D-RSL
Methomyl	16752-77-5	n		150	D-RSL	39	D-RSL
Methoxy-5-nitroaniline, 2-	99-59-2	c		9.9	RSL	1.3	RSL
Methoxychlor	72-43-5	n	TCL	31	D-RSL	2.7	D-RSL
Methoxyethanol Acetate, 2-	110-49-6	n		49	D-RSL	13	D-RSL
Methoxyethanol, 2-	109-86-4	n		31	D-RSL	7.8	D-RSL
Methyl Acetate	79-20-9	n	TCL	7800	D-RSL	1600	D-RSL
Methyl Acrylate	96-33-3	n		15	D-RSL	3.8	D-RSL
Methyl Ethyl Ketone (2-Butanone)	78-93-3	n	TCL	2800	D-RSL	490	D-RSL
Methyl Hydrazine	60-34-4	n		6.1	D-RSL	1.6	D-RSL
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	n	TCL	530	D-RSL	100	D-RSL
Methyl Isocyanate	624-83-9	n		0.5	D-RSL	0.21	D-RSL
Methyl Methacrylate	80-62-6	n		480	D-RSL	140	D-RSL
Methyl Parathion	298-00-0	n		1.5	D-RSL	0.34	D-RSL
Methyl Phosphonic Acid	993-13-5	n		370	D-RSL	94	D-RSL
Methyl Styrene (Mixed Isomers)	25013-15-4	n		25	D-RSL	3.1	D-RSL
Methyl methanesulfonate	66-27-3	c		4.9	RSL	0.68	RSL
Methyl tert-Butyl Ether (MTBE)	1634-04-4	c	TCL	43	RSL	10	MCL
Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	n		1.2	D-RSL	0.31	D-RSL
Methyl-5-Nitroaniline, 2-	99-55-8	c		54	RSL	7	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	c	0.059	RSL	0.0081	RSL	
Methylaniline Hydrochloride, 2-	636-21-5	c	3.7	RSL	0.5	RSL	
Methylarsonic acid	124-58-3	n	61	D-RSL	16	D-RSL	
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	n	1.2	D-RSL	0.31	D-RSL	
Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	n	1.2	D-RSL	0.31	D-RSL	
Methylcholanthrene, 3-	56-49-5	c	0.0052	RSL	0.00098	RSL	
Methylene Chloride	75-09-2	c	TCL	56	RSL	5	MCL
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	c		1.2	RSL	0.14	RSL
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	c		11	RSL	0.6	RSL
Methylenebisbenzenamine, 4,4'-	101-77-9	c		0.3	RSL	0.041	RSL
Methylenediphenyl Diisocyanate	101-68-8	n		3140	Csat		
Methylstyrene, Alpha-	98-83-9	n		550	D-RSL	58	D-RSL
Metolachlor	51218-45-2	n		920	D-RSL	210	D-RSL
Metribuzin	21087-64-9	n		150	D-RSL	38	D-RSL
Mineral oils	8012-95-1	n		18000	D-RSL	4700	D-RSL
Mirex	2385-85-5	c		0.027	RSL	0.0037*	RSL
Molinate	2212-67-1	n		12	D-RSL	2.3	D-RSL
Molybdenum	7439-98-7	n		39	D-RSL	7.8	D-RSL
Monochloramine	10599-90-3	n		780	D-RSL	160	D-RSL
Monomethylaniline	100-61-8	n		12	D-RSL	3	D-RSL
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	n		1.8	D-RSL	0.27	D-RSL
Naled	300-76-5	n		12	D-RSL	3.1	D-RSL
Naphtha, High Flash Aromatic (HFAN)	64724-95-6	n		230	D-RSL	14	D-RSL
Naphthylamine, 2-	91-59-8	c		0.27	RSL	0.033	RSL
Napropamide	15299-99-7	n		610	D-RSL	130	D-RSL
Nickel Carbonyl	13463-39-3	n		370	D-RSL	67	D-RSL
Nickel Oxide	1313-99-1	n		380	D-RSL	78	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Nickel Refinery Dust	NA	n		370	D-RSL	76	D-RSL
Nickel Soluble Salts	7440-02-0	n	TAL	150	D-RSL	30	D-RSL
Nickel Subsulfide	12035-72-2	c		0.38	RSL	0.039	RSL
Nitrate	14797-55-8	n		13000	D-RSL	2500	D-RSL
Nitrite	14797-65-0	n		780	D-RSL	160	D-RSL
Nitroaniline, 2-	88-74-4	n	TCL	61	D-RSL	15	D-RSL
Nitroaniline, 4-	100-01-6	c	TCL	24	RSL	3.3*	RSL
Nitrobenzene	98-95-3	c	TCL	4.8	RSL	0.12*	RSL
Nitrocellulose	9004-70-0	n		100000	MAX	100000	MAX
Nitrofurantoin	67-20-9	n		430	D-RSL	110	D-RSL
Nitrofurazone	59-87-0	c		0.37	RSL	0.052	RSL
Nitroglycerin	55-63-0	n		0.61	D-RSL	0.15	D-RSL
Nitroguanidine	556-88-7	n		610	D-RSL	160	D-RSL
Nitromethane	75-52-5	c		4.9	RSL	0.54	RSL
Nitropropane, 2-	79-46-9	c		0.013*	RSL	0.0018*	RSL
Nitroso-N-ethylurea, N-	759-73-9	c		0.0043	RSL	0.00079	RSL
Nitroso-N-methylurea, N-	684-93-5	c		0.00096	RSL	0.00018	RSL
Nitroso-di-N-butylamine, N-	924-16-3	c		0.087	RSL	0.0024	RSL
Nitroso-di-N-propylamine, N-	621-64-7	c	TCL	0.069	RSL	0.0093*	RSL
Nitrosodiethanolamine, N-	1116-54-7	c		0.17	RSL	0.024	RSL
Nitrosodiethylamine, N-	55-18-5	c		0.33	PQL	0.00014	RSL
Nitrosodimethylamine, N-	62-75-9	c		0.0023*	RSL	0.00042*	RSL
Nitrosodiphenylamine, N-	86-30-6	c	TCL	99	RSL	10	RSL
Nitrosomethylethylamine, N-	10595-95-6	c		0.022	RSL	0.003	RSL
Nitrosomorpholine [N-]	59-89-2	c		0.073	RSL	0.01	RSL
Nitrosopiperidine [N-]	100-75-4	c		0.052	RSL	0.0071	RSL
Nitrosopyrrolidine, N-	930-55-2	c		0.23	RSL	0.032	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Nitrotoluene, m-	99-08-1	n	0.61	D-RSL	0.13	D-RSL	
Nitrotoluene, o-	88-72-2	c	2.9	RSL	0.27	RSL	
Nitrotoluene, p-	99-99-0	c	30	RSL	3.7	RSL	
Nonane, n-	111-84-2	n	2.1	D-RSL	0.46	D-RSL	
Norflurazon	27314-13-2	n	240	D-RSL	60	D-RSL	
Nustar	85509-19-9	n	4.3	D-RSL	0.83	D-RSL	
Octabromodiphenyl Ether	32536-52-0	n	18	D-RSL	4.7	D-RSL	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	2691-41-0	n	380	D-RSL	78	D-RSL	
Octamethylpyrophosphoramido	152-16-9	n	12	D-RSL	3.1	D-RSL	
Octyl Phthalate, di-N-	117-84-0	n	TCL	73	D-RSL	19	D-RSL
Oryzalin	19044-88-3	n	310	D-RSL	62	D-RSL	
Oxadiazon	19666-30-9	n	31	D-RSL	3.5	D-RSL	
Oxamyl	23135-22-0	n	150	D-RSL	39	D-RSL	
Paclbutrazol	76738-62-0	n	79	D-RSL	17	D-RSL	
Paraquat Dichloride	1910-42-5	n	27	D-RSL	7	D-RSL	
Parathion	56-38-2	n	37	D-RSL	6.5	D-RSL	
Pebulate	1114-71-2	n	310	D-RSL	42	D-RSL	
Pendimethalin	40487-42-1	n	240	D-RSL	13	D-RSL	
Pentabromodiphenyl Ether	32534-81-9	n	12	D-RSL	3.1	D-RSL	
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	n	0.61	D-RSL	0.16	D-RSL	
Pentachlorobenzene	608-93-5	n	4.9	D-RSL	0.23	D-RSL	
Pentachloroethane	76-01-7	c	5.4	RSL	0.56	RSL	
Pentachloronitrobenzene	82-68-8	c	1.9	RSL	0.1	RSL	
Pentachlorophenol	87-86-5	c	TCL	0.89	RSL	0.17*	RSL
Pentaerythritol tetranitrate (PETN)	78-11-5	c	120	RSL	16	RSL	
Pentane, n-	109-66-0	n	87	D-RSL	210	D-RSL	
Perchlorates							

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
~Ammonium Perchlorate	7790-98-9	n	5.5	D-RSL	1.1	D-RSL	
~Lithium Perchlorate	7791-03-9	n	5.5	D-RSL	1.1	D-RSL	
~Perchlorate and Perchlorate Salts	14797-73-0	n	5.5	D-RSL	1.1	D-RSL	
~Potassium Perchlorate	7778-74-7	n	5.5	D-RSL	1.1	D-RSL	
~Sodium Perchlorate	7601-89-0	n	5.5	D-RSL	1.1	D-RSL	
Permethrin	52645-53-1	n	310	D-RSL	78	D-RSL	
Petroleum Hydrocarbons							
~c5 through c8 aliphatic hydrocarbons	NA		100	MAG	300	MAG	
~c9 through c12 aliphatic hydrocarbons	NA		1000	MAG	700	MAG	
~c9 through c18 aliphatic hydrocarbons	NA		1000	MAG	700	MAG	
~c19 through c36 aliphatic hydrocarbons	NA		3000	MAG	14000	MAG	
~c9 through c10 aromatic hydrocarbons	NA		100	MAG	200	MAG	
~c11 through c22 aromatic hydrocarbons	NA		1000	MAG	200	MAG	
~Diesel Range Organics (DRO)	NA		100		200		
~Gasoline Range Organics (GRO)	NA		100		200		
Phenacetin	62-44-2	c	220	RSL	30	RSL	
Phenmedipham	13684-63-4	n	1500	D-RSL	300	D-RSL	
Phenol	108-95-2	n	TCL	1800	D-RSL	450	D-RSL
Phenothiazine	92-84-2	n		3.1	D-RSL	0.32	D-RSL
Phenylenediamine, m-	108-45-2	n	37	D-RSL	9.4	D-RSL	
Phenylenediamine, o-	95-54-5	c	10	RSL	1.4	RSL	
Phenylenediamine, p-	106-50-3	n	1200	D-RSL	300	D-RSL	
Phenylphenol, 2-	90-43-7	c	250	RSL	26	RSL	
Phorate	298-02-2	n	1.2	D-RSL	0.23	D-RSL	
Phosgene	75-44-5	n	0.033	D-RSL			
Phosmet	732-11-6	n	120	D-RSL	29	D-RSL	
Phosphates, Inorganic							

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant			Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
~Aluminum metaphosphate	13776-88-0	n	100000	MAX	76000	D-RSL
~Ammonium polyphosphate	68333-79-9	n	100000	MAX	76000	D-RSL
~Calcium pyrophosphate	7790-76-3	n	100000	MAX	76000	D-RSL
~Diammonium phosphate	7783-28-0	n	100000	MAX	76000	D-RSL
~Dicalcium phosphate	7757-93-9	n	100000	MAX	76000	D-RSL
~Dimagnesium phosphate	7782-75-4	n	100000	MAX	76000	D-RSL
~Dipotassium phosphate	7758-11-4	n	100000	MAX	76000	D-RSL
~Disodium phosphate	7558-79-4	n	100000	MAX	76000	D-RSL
~Monoaluminum phosphate	13530-50-2	n	100000	MAX	76000	D-RSL
~Monoammonium phosphate	7722-76-1	n	100000	MAX	76000	D-RSL
~Monocalcium phosphate	7758-23-8	n	100000	MAX	76000	D-RSL
~Monomagnesium phosphate	7757-86-0	n	100000	MAX	76000	D-RSL
~Monopotassium phosphate	7778-77-0	n	100000	MAX	76000	D-RSL
~Monosodium phosphate	7558-80-7	n	100000	MAX	76000	D-RSL
~Polyphosphoric acid	8017-16-1	n	100000	MAX	76000	D-RSL
~Potassium tripolyphosphate	13845-36-8	n	100000	MAX	76000	D-RSL
~Sodium acid pyrophosphate	7758-16-9	n	100000	MAX	76000	D-RSL
~Sodium aluminum phosphate (acidic)	7785-88-8	n	100000	MAX	76000	D-RSL
~Sodium aluminum phosphate (anhydrous)	10279-59-1	n	100000	MAX	76000	D-RSL
~Sodium aluminum phosphate (tetrahydrate)	10305-76-7	n	100000	MAX	76000	D-RSL
~Sodium hexametaphosphate	10124-56-8	n	100000	MAX	76000	D-RSL
~Sodium polyphosphate	68915-31-1	n	100000	MAX	76000	D-RSL
~Sodium trimetaphosphate	7785-84-4	n	100000	MAX	76000	D-RSL
~Sodium tripolyphosphate	7758-29-4	n	100000	MAX	76000	D-RSL
~Tetrapotassium phosphate	7320-34-5	n	100000	MAX	76000	D-RSL
~Tetrasodium pyrophosphate	7722-88-5	n	100000	MAX	76000	D-RSL
~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5	n	100000	MAX	76000	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
~Tricalcium phosphate	7758-87-4	n	100000	MAX	76000	D-RSL	
~Trimagnesium phosphate	7757-87-1	n	100000	MAX	76000	D-RSL	
~Tripotassium phosphate	7778-53-2	n	100000	MAX	76000	D-RSL	
~Trisodium phosphate	7601-54-9	n	100000	MAX	76000	D-RSL	
Phosphine	7803-51-2	n	2.3	D-RSL	0.47	D-RSL	
Phosphoric Acid	7664-38-2	n	100000	MAX	76000	D-RSL	
Phosphorus, White	7723-14-0	n	0.16	D-RSL	0.031	D-RSL	
Phthalic Acid, P-	100-21-0	n	6100	D-RSL	1500	D-RSL	
Phthalic Anhydride	85-44-9	n	12000	D-RSL	3000	D-RSL	
Picloram	1918-02-1	n	430	D-RSL	110	D-RSL	
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	n	0.61	D-RSL	0.15	D-RSL	
Pirimiphos, Methyl	29232-93-7	n	61	D-RSL	9.1	D-RSL	
Polybrominated Biphenyls	59536-65-1	c	0.016	RSL	0.0022	RSL	
Polychlorinated Biphenyls (PCBs)							
~Aroclor 1016	12674-11-2	n	0.39	D-RSL	0.96	RSL	
~Aroclor 1221	11104-28-2	c	0.14	RSL	0.0043*	RSL	
~Aroclor 1232	11141-16-5	c	0.14	RSL	0.0043*	RSL	
~Aroclor 1242	53469-21-9	c	0.22	RSL	0.034*	RSL	
~Aroclor 1248	12672-29-6	c	0.22	RSL	0.034*	RSL	
~Aroclor 1254	11097-69-1	c	0.22	RSL	0.034*	RSL	
~Aroclor 1260	11096-82-5	c	0.22	RSL	0.034*	RSL	
~Heptachlorobiphenyl, 2,3,3',4,4',5,5'-(PCB 189)	39635-31-9	c	0.11	RSL	0.017	RSL	
~Hexachlorobiphenyl, 2,3',4,4',5,5'-(PCB 167)	52663-72-6	c	0.11	RSL	0.017	RSL	
~Hexachlorobiphenyl, 2,3,3',4,4',5'-(PCB 157)	69782-90-7	c	0.11	RSL	0.017	RSL	
~Hexachlorobiphenyl, 2,3,3',4,4',5-(PCB 156)	38380-08-4	c	0.11	RSL	0.017	RSL	
~Hexachlorobiphenyl, 3,3',4,4',5,5'-(PCB 169)	32774-16-6	c	0.00011	RSL	0.000017*	RSL	
~Pentachlorobiphenyl, 2',3,4,4',5-(PCB 123)	65510-44-3	c	0.11	RSL	0.017	RSL	

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	c	0.11	RSL	0.017	RSL	
~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	c	0.11	RSL	0.017	RSL	
~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	c	0.11	RSL	0.017	RSL	
~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	c	0.000034	RSL	0.0000052*	RSL	
~Polychlorinated Biphenyls (high risk)	1336-36-3	c	0.22	RSL			
~Polychlorinated Biphenyls (low risk)	1336-36-3				0.17	RSL	
~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	c	0.034	RSL	0.0052	RSL	
~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	c	0.011	RSL	0.0017	RSL	
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	n	106	Csat			
Polynuclear Aromatic Hydrocarbons (PAHs)							
~Acenaphthene	83-32-9	n	TCL	270	URS	40	D-RSL
~Anthracene	120-12-7	n	TCL	1000	URS	130	D-RSL
~Benz[a]anthracene	56-55-3	c	TCL	0.9	URS	0.029*	RSL
~Benzo(j)fluoranthene	205-82-3	c		0.38	RSL	0.056	RSL
~Benzo[a]pyrene	50-32-8	c	TCL	0.09	URS	0.0029*	RSL
~Benzo[b]fluoranthene	205-99-2	c	TCL	0.9	URS	0.029*	RSL
~Benzo[k]fluoranthene	207-08-9	c	TCL	9	URS	0.29	RSL
~Chrysene	218-01-9	c	TCL	87	URS	2.9*	RSL
~Dibenz[a,h]anthracene	53-70-3	c	TCL	0.09	URS	0.0029*	RSL
~Dibenzo(a,e)pyrene	192-65-4	c		0.038	RSL	0.0056	RSL
~Dimethylbenz(a)anthracene, 7,12-	57-97-6	c		0.00043	RSL	0.000086	RSL
~Fluoranthene	206-44-0	n	TCL	310	URS	63	D-RSL
~Fluorene	86-73-7	n	TCL	300	URS	22	D-RSL
~Indeno[1,2,3-cd]pyrene	193-39-5	c	TCL	0.9	URS	0.029*	RSL
~Methylnaphthalene, 1-	90-12-0	c		16	RSL	0.97	RSL
~Methylnaphthalene, 2-	91-57-6	n	TCL	1	URS	2.7*	D-RSL
~Naphthalene	91-20-3	c	TCL	5	URS	0.14*	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
~Nitropyrene, 4-	57835-92-4	c	0.38	RSL	0.016	RSL	
~Phenanthrene	85-01-8	n	1000	URS	8.7	D-RSL	
~Pyrene	129-00-0	n	230	URS	8.7	D-RSL	
Prochloraz	67747-09-5	c	3.2	RSL	0.32	RSL	
Profluralin	26399-36-0	n	37	D-RSL	1.9	D-RSL	
Prometon	1610-18-0	n	92	D-RSL	19	D-RSL	
Prometryn	7287-19-6	n	24	D-RSL	4.5	D-RSL	
Propachlor	1918-16-7	n	79	D-RSL	19	D-RSL	
Propanil	709-98-8	n	31	D-RSL	6.3	D-RSL	
Propargite	2312-35-8	n	120	D-RSL	12	D-RSL	
Propargyl Alcohol	107-19-7	n	12	D-RSL	3.1	D-RSL	
Propazine	139-40-2	n	120	D-RSL	26	D-RSL	
Propham	122-42-9	n	120	D-RSL	27	D-RSL	
Propiconazole	60207-90-1	n	79	D-RSL	16	D-RSL	
Propionaldehyde	123-38-6	n	8	D-RSL	1.7	D-RSL	
Propyl benzene	103-65-1	n	340	D-RSL	53	D-RSL	
Propylene	115-07-1	n	240	D-RSL	630	D-RSL	
Propylene Glycol	57-55-6	n	100000	MAX	31000	D-RSL	
Propylene Glycol Dinitrate	6423-43-4	n	39000	D-RSL			
Propylene Glycol Monoethyl Ether	1569-02-4	n	4300	D-RSL	1100	D-RSL	
Propylene Glycol Monomethyl Ether	107-98-2	n	4300	D-RSL	1100	D-RSL	
Propylene Oxide	75-56-9	c	2	RSL	0.23	RSL	
Pursuit	81335-77-5	n	1500	D-RSL	390	D-RSL	
Pydrin	51630-58-1	n	150	D-RSL	39	D-RSL	
Pyridine	110-86-1	n	7.8	D-RSL	1.5	D-RSL	
Quinalphos	13593-03-8	n	3.1	D-RSL	0.38	D-RSL	
Quinoline	91-22-5	c	0.16	RSL	0.021	RSL	

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Refractory Ceramic Fibers	NA	n		100000	MAX		
Resmethrin	10453-86-8	n		180	D-RSL	4.8	D-RSL
Ronnel	299-84-3	n		310	D-RSL	30	D-RSL
Rotenone	83-79-4	n		24	D-RSL	4.7	D-RSL
Safrole	94-59-7	c		0.52	RSL	0.062	RSL
Savey	78587-05-0	n		150	D-RSL	8.1	D-RSL
Selenious Acid	7783-00-8	n		39	D-RSL	7.8	D-RSL
Selenium	7782-49-2	n	TAL	39	D-RSL	7.8	D-RSL
Selenium Sulfide	7446-34-6	n		39	D-RSL	7.8	D-RSL
Sethoxydim	74051-80-2	n		550	D-RSL	78	D-RSL
Silica (crystalline, respirable)	7631-86-9	n		5000	MAX		
Silver	7440-22-4	n	TAL	39	D-RSL	7.1	D-RSL
Simazine	122-34-9	c		4.1	RSL	0.52	RSL
Sodium Acifluorfen	62476-59-9	n		79	D-RSL	20	D-RSL
Sodium Azide	26628-22-8	n		31	D-RSL	6.2	D-RSL
Sodium Diethyldithiocarbamate	148-18-5	c		1.8	RSL	0.25	RSL
Sodium Fluoride	7681-49-4	n		390	D-RSL	78	D-RSL
Sodium Fluoroacetate	62-74-8	n		0.12	D-RSL	0.031	D-RSL
Sodium Metavanadate	13718-26-8	n		7.8	D-RSL	1.6	D-RSL
Stirofos (Tetrachlorovinphos)	961-11-5	c		20	RSL	2.4	RSL
Strontium, Stable	7440-24-6	n		4700	D-RSL	930	D-RSL
Strychnine	57-24-9	n		1.8	D-RSL	0.46	D-RSL
Styrene	100-42-5	n	TCL	630	D-RSL	100	MCL
Sulfolane	126-33-0	n		6.1	D-RSL	1.6	D-RSL
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	n		4.9	D-RSL	1.3	D-RSL
Sulfuric Acid	7664-93-9	n		100000	MAX		
Systhane	88671-89-0	n		150	D-RSL	35	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant			Screening Levels				
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
TCMTB	21564-17-0	n	180	D-RSL	37	D-RSL	
Tebuthiuron	34014-18-1	n	430	D-RSL	110	D-RSL	
Temephos	3383-96-8	n	120	D-RSL	31	D-RSL	
Terbacil	5902-51-2	n	79	D-RSL	20	D-RSL	
Terbufos	13071-79-9	n	0.15	D-RSL	0.018	D-RSL	
Terbutryn	886-50-0	n	6.1	D-RSL	1	D-RSL	
Tetrabromodiphenyl ether, 2,2',4,4'-(BDE-47)	5436-43-1	n	0.61	D-RSL	0.16	D-RSL	
Tetrachlorobenzene, 1,2,4,5-	95-94-3	n	TCL	1.8	D-RSL	0.12	D-RSL
Tetrachloroethane, 1,1,1,2-	630-20-6	c		1.9	RSL	0.5	RSL
Tetrachloroethane, 1,1,2,2-	79-34-5	c	TCL	0.56	RSL	0.066*	RSL
Tetrachloroethylene	127-18-4	c	TCL	22	RSL	1	MCL
Tetrachlorophenol, 2,3,4,6-	58-90-2	n	TCL	180	D-RSL	17	D-RSL
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	c		0.024	RSL	0.0034	RSL
Tetraethyl Dithiopyrophosphate	3689-24-5	n		3.1	D-RSL	0.53	D-RSL
Tetrafluoroethane, 1,1,1,2-	811-97-2	n		1090	Csat	17000	D-RSL
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	n		24	D-RSL	6.3	D-RSL
Thallium (I) Nitrate	10102-45-1	n		0.055	D-RSL	0.011	D-RSL
Thallium (Soluble Salts)	7440-28-0	n	TAL	0.078*	D-RSL	0.016*	D-RSL
Thallium Acetate	563-68-8	n		0.047	D-RSL	0.0093*	D-RSL
Thallium Carbonate	6533-73-9	n		0.16	D-RSL	0.031	D-RSL
Thallium Chloride	7791-12-0	n		0.047	D-RSL	0.0093*	D-RSL
Thallium Sulfate	7446-18-6	n		0.16	D-RSL	0.031	D-RSL
Thiobencarb	28249-77-6	n		61	D-RSL	12	D-RSL
Thiodiglycol	111-48-8	n		540	D-RSL	110	D-RSL
Thiofanox	39196-18-4	n		1.8	D-RSL	0.41	D-RSL
Thiophanate, Methyl	23564-05-8	n		490	D-RSL	120	D-RSL
Thiram	137-26-8	n		31	D-RSL	7.6	D-RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Tin	7440-31-5	n		4700	D-RSL	930	D-RSL
Titanium Tetrachloride	7550-45-0	n		14000	D-RSL		
Toluene	108-88-3	n	TCL	500	D-RSL	86	D-RSL
Toluene-2,5-diamine	95-70-5	n		3700	D-RSL	930	D-RSL
Toluidine, p-	106-49-0	c		16	RSL	2.2	RSL
Toxaphene	8001-35-2	c	TCL	0.44	RSL	0.013*	RSL
Tralomethrin	66841-25-6	n		46	D-RSL	12	D-RSL
Tri-n-butylin	688-73-3	n		1.8	D-RSL	0.47	D-RSL
Triacetin	102-76-1	n		100000	MAX	100000	MAX
Triallate	2303-17-5	n		79	D-RSL	8.7	D-RSL
Triasulfuron	82097-50-5	n		61	D-RSL	16	D-RSL
Tribromobenzene, 1,2,4-	615-54-3	n		31	D-RSL	7.8	D-RSL
Tributyl Phosphate	126-73-8	c		54	RSL	4.5	RSL
Tributyltin Compounds	NA	n		1.8	D-RSL	0.47	D-RSL
Tributyltin Oxide	56-35-9	n		1.8	D-RSL	0.44	D-RSL
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	n	TCL	4300	D-RSL	5300	D-RSL
Trichloroacetic Acid	76-03-9	c		6.9	RSL	0.94	RSL
Trichloroaniline HCl, 2,4,6-	33663-50-2	c		17	RSL	2.3	RSL
Trichloroaniline, 2,4,6-	634-93-5	n		0.18	D-RSL	0.03	D-RSL
Trichlorobenzene, 1,2,3-	87-61-6	n	TCL	4.9	D-RSL	0.52	D-RSL
Trichlorobenzene, 1,2,4-	120-82-1	c	TCL	22	RSL	0.99	RSL
Trichloroethane, 1,1,1-	71-55-6	n	TCL	870	D-RSL	200	MCL
Trichloroethane, 1,1,2-	79-00-5	c	TCL	1.1	RSL	0.24	RSL
Trichloroethylene	79-01-6	c	TCL	0.91	RSL	0.44	RSL
Trichlorofluoromethane	75-69-4	n	TCL	79	D-RSL	110	D-RSL
Trichlorophenol, 2,4,5-	95-95-4	n	TCL	610	D-RSL	89	D-RSL
Trichlorophenol, 2,4,6-	88-06-2	c	TCL	44	RSL	3.5	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water	
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	n	61	D-RSL	12	D-RSL	
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	n	49	D-RSL	8.4	D-RSL	
Trichloropropane, 1,1,2-	598-77-6	n	39	D-RSL	7.8	D-RSL	
Trichloropropane, 1,2,3-	96-18-4	c	0.005*	RSL	0.00065*	RSL	
Trichloropropene, 1,2,3-	96-19-5	n	0.078	D-RSL	0.062	D-RSL	
Tridiphane	58138-08-2	n	18	D-RSL	4.7	D-RSL	
Triethylamine	121-44-8	n	12	D-RSL	1.5	D-RSL	
Trifluralin	1582-09-8	c	63	RSL	2.2	RSL	
Trimethyl Phosphate	512-56-1	c	24	RSL	3.4	RSL	
Trimethylbenzene, 1,2,3-	526-73-8	n	5.3	D-RSL	1	D-RSL	
Trimethylbenzene, 1,2,4-	95-63-6	n	6.2	D-RSL	1.5	D-RSL	
Trimethylbenzene, 1,3,5-	108-67-8	n	78	D-RSL	8.7	D-RSL	
Trinitrobenzene, 1,3,5-	99-35-4	n	220	D-RSL	46	D-RSL	
Trinitrotoluene, 2,4,6-	118-96-7	c	19	RSL	2.2	RSL	
Triphenylphosphine Oxide	791-28-6	n	120	D-RSL	28	D-RSL	
Tris(1-chloro-2-propyl)phosphate	13674-84-5	n	61	D-RSL	15	D-RSL	
Tris(2-chloroethyl)phosphate	115-96-8	c	24	RSL	3.3	RSL	
Tris(2-ethylhexyl)phosphate	78-42-2	c	150	RSL	21	RSL	
Uranium (Soluble Salts)	NA	n	23	D-RSL	4.7	D-RSL	
Urethane	51-79-6	c	0.12	RSL	0.021	RSL	
Vanadium Pentoxide	1314-62-1	c	400	RSL	11	D-RSL	
Vanadium and Compounds	NA	n	134	BTV	7.8	D-RSL	
Vernolate	1929-77-7	n	6.1	D-RSL	0.83	D-RSL	
Vinclozolin	50471-44-8	n	150	D-RSL	34	D-RSL	
Vinyl Acetate	108-05-4	n	97	D-RSL	41	D-RSL	
Vinyl Bromide	593-60-2	c	0.11	RSL	0.15	RSL	
Vinyl Chloride	75-01-4	c	TCL	0.06	RSL	0.015*	RSL

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DNREC-SIRS SCREENING LEVEL TABLE – JANUARY 1, 2013

Contaminant				Screening Levels			
Analyte	CAS No.		TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ug/L)	Key for Ground water
Warfarin	81-81-2	n		1.8	D-RSL	0.44	D-RSL
Xylene, P-	106-42-3	n		60	D-RSL	19	D-RSL
Xylene, m-	108-38-3	n		59	D-RSL	19	D-RSL
Xylene, o-	95-47-6	n	TCL	69	D-RSL	19	D-RSL
Xylenes	1330-20-7	n		63	D-RSL	19	D-RSL
Zinc Phosphide	1314-84-7	n		2.3	D-RSL	0.47	D-RSL
Zinc and Compounds	7440-66-6	n	TAL	2300	D-RSL	470	D-RSL
Zineb	12122-67-7	n		310	D-RSL	78	D-RSL
Zirconium	7440-67-7	n		0.63	D-RSL	0.12	D-RSL